1959 ✓ (73)

Reprinted from AMERICAN PSYCHOLOGIST
Vol. 14, page 385. 1959

MITCHELL GLICKSTEIN and R. W. SPERRY.
California Institute of Technology

Contralateral transfer of somesthetic discriminations in monkeys after section of major hemispheric commissures.

The experiment attempted to verify the existence of contralateral transfer of somesthetic discriminations in callosum-sectioned monkeys and to study its nature. Four rhesus monkeys underwent midline section of corpus callosum, anterior and hippocampal commissures. These and three unoperated controls were trained to perform rough-smooth, high-low, and other tactual discriminations with one hand and were then tested for transfer to the second hand. In all cases the motor set for testing and the general approach to the problem showed consistent transfer. However, in two of these three experimental animals tested on a new series of problems, sensory aspects of the tactual problems--that is, the specific knowledge of which pattern was correct--did not transfer.